novapress® MULTI II

Gasket Characteristics acc. DIN 28090-1, AD-Merkblatt B7, DIN V 2505, ASME-Code

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DIN 28090 Part 1 (9/95) (DIN E 2505 Part 2)											AD-Merkblatt B7 DIN V 2505		ASME-Code		
P_I	Dicke h_D	σ_{VU}	σ_{VO}	m	σ_{BO}					$b_D : h_D$	$k_0 \times K_D$	k_1	m	y	y
[bar]	[mm]	[N/mm²]	[N/mm²]		[N/mm²]						[N/mm]	[mm]		[psi]	[N/mm²]
					20 °C	100 °C	200 °C	300 °C	400 °C						
10	1.0	12	190	1.3	190	145	90	80	30	10 : 1	12 x b_D	1.3 x b_D	2.5	1740	12
	1.5	15	145	1.3	145	100	75	70	25	6.7 : 1	15 x b_D	1.3 x b_D	2.5	2175	15
	2.0	18	120	1.3	120	75	65	60	20	5 : 1	18 x b_D	1.3 x b_D	2.5	2610	18
	3.0	24	100	1.3	100	65	55	50	15	3.3 : 1	24 x b_D	1.3 x b_D	2.5	3480	24
16	1.0	16	190	1.3	190	145	90	80	30	10 : 1	16 x b_D	1.3 x b_D	2.5	2320	16
	1.5	19	145	1.3	145	100	75	70	25	6.7 : 1	19 x b_D	1.3 x b_D	2.5	2755	19
	2.0	23	120	1.3	120	75	65	60	20	5 : 1	23 x b_D	1.3 x b_D	2.5	3335	23
	3.0	31	100	1.3	100	65	55	50	15	3.3 : 1	31 x b_D	1.3 x b_D	2.5	4495	31
25	1.0	18	190	1.3	190	145	90	80	30	10 : 1	18 x b_D	1.3 x b_D	2.5	2610	18
	1.5	21	145	1.3	145	100	75	70	25	6.7 : 1	21 x b_D	1.3 x b_D	2.5	3045	21
	2.0	25	120	1.3	120	75	65	60	20	5 : 1	25 x b_D	1.3 x b_D	2.5	3625	25
	3.0	38	100	1.3	100	65	55	50	15	3.3 : 1	38 x b_D	1.3 x b_D	2.5	5510	38
40	1.0	20	190	1.3	190	145	90	80	30	10 : 1	20 x b_D	1.3 x b_D	2.5	2900	20
	1.5	25	145	1.3	145	100	75	70	25	6.7 : 1	25 x b_D	1.3 x b_D	2.5	3625	25
	2.0	30	120	1.3	120	75	65	60	20	5 : 1	30 x b_D	1.3 x b_D	2.5	4350	30
	3.0	46	100	1.3	100	65	55	50	15	3.3 : 1	46 x b_D	1.3 x b_D	2.5	6670	46

m The m-factor is a value to describe the minimum surface pressure under operating conditions. Up to now there does not exist a definite test specification. The m-factor can be looked at in different ways and depends on the tightness class, the temperature and the surface pressure in the installed state. Within the Brite EuRam research project m-factors between 1.3 and 3.8 were found as average values for graphite gaskets. The user may judge to calculate with different factors (e.g. m = 2).

m The m-factors according to DIN 28090 and ASME-code are defined variably - from this reason the values differ

Please note: All previous data cease to apply. You may take all current versions from the website www.frenzelit.com or ask at Frenzelit directly. The values have been determined with standard laboratory equipment. In view of the variety of different installation and operation conditions and process engineering options, there is no basis for warranty claims referring to the behaviour of the sealing joint. Subject to technical changes and printing errors.

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